

Appl. No. 10/804,653
Amdt. dated January 3, 2007
Reply to Office Action of September 6, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of administering an MFP connected to a network comprising discovering MFPs; building an MFP database comprising data regarding the MFP discovered; discovering printer drivers; building a printer driver database comprising data identifying at least one MFP each printer driver is applicable to; and building a relationship database; wherein the relationship database further comprises comprising a first MFP record and a first printer driver record; and wherein the first MFP record and the first printer driver record are associated as an allowable combination an associated MFP/driver record for each allowable combination.
2. (Original) The method of claim 1, wherein discovering MFPs comprises using SNMP to locate and identify an MFP.
3. (Original) The method of claim 1, wherein building an MFP database comprises parsing standard printer MIB data
4. (Currently Amended) The method of claim 1, wherein discovering printer drivers comprises locating a printer driver file comprising metadata within a printer driver repository.
5. (Original) The method of claim 4, wherein the metadata is XML metadata.

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6. (Currently Amended) The method of claim 4, wherein the metadata identifies each MFP capable of being associated with each printer driver.
7. (Currently Amended) The method of claim 6, wherein building the printer driver database comprises parsing the metadata.
8. (Currently Amended) The method of claim 7, wherein building a relationship database comprises creating a relational database with a many-to-many relationship linking a primary key of the MFP database with a primary key of the printer driver database for each allowable combination of MFP/printer driver relationships based upon MFP model and printer driver model compatibility.
9. (Currently Amended) The method of claim 1, further comprising constraining the printer drivers prior to discovering the printer drivers.
10. (Currently Amended) The method of claim 1, further comprising constraining the printer driver after discovering the printer drivers, and prior to building the printer driver database.
11. (Currently Amended) The method of claim 1, further comprising constraining the associated MFP/printer driver combinations prior to building the relationship database.

12. (Currently Amended) A method of administering MFPs comprising discovering and building an MFP database using SNMP Standard Printer MIB data for each MFP; discovering printer drivers located on a network; parsing XML data associated with each printer driver to build a printer driver database; and joining the MFP database and the printer driver database in a many-to-many relationship using the XML metadata for each printer driver to identify compatible MFPs for each printer driver to produce an associated MFP/printer driver record for each allowable combination.
13. (Currently Amended) The method of claim 12, further comprising constraining printer drivers prior to discovering printer drivers located on the network.
14. (Currently Amended) The method of claim 12, further comprising constraining printer drivers after discovering printer drivers and prior to building the printer driver database.
15. (Currently Amended) The method of claim 12, further comprising constraining allowable combinations of associated MFP/printer driver records prior to joining the MFP database and the printer driver database in a many-to-many relationship.

16. (Currently Amended) A system for associating available MFPs with available printer drivers comprising a general purpose computer means for processing data, wherein the computer processor means is adapted to connect to a network; a first means for discovering MFPs connected to the network; a second means for building an MFP database comprising MFP data; a third means for discovering printer drivers; a fourth means for building a printer driver database; and a fifth means for joining the MFP database with the printer driver database in a many-to-many relationship.

17. (Currently Amended) A computer readable medium encoded with a computer program for associating an MFP with a printer driver comprising a first software routine for discovering an MFP; a second software routine for building an MFP database comprising data regarding the MFP discovered; a third software routine for discovering a printer driver; a fourth software routine for building a printer driver database comprising data identifying at least one MFP the printer driver is applicable to; and a fifth software routine for building a relationship database ; wherein the relationship database further comprises comprising a first MFP record and a first printer driver record; and wherein the first MFP record and the first printer driver record are associated as an allowable combination an associated MFP/driver record for each allowable combination.